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information  
NEWS 6 APR 26 USPATFULL and USPAT2 enhanced with patent  
assignment/reassignment information  
NEWS 7 APR 28 CAS patent authority coverage expanded  
NEWS 8 APR 28 ENCOMPLIT/ENCOMPLIT2 search fields enhanced  
NEWS 9 APR 28 Limits doubled for structure searching in CAS  
REGISTRY  
NEWS 10 MAY 08 STN Express, Version 8.4, now available  
NEWS 11 MAY 11 STN on the Web enhanced  
NEWS 12 MAY 11 BEILSTEIN substance information now available on  
STN Easy  
NEWS 13 MAY 14 DGENE, PCTGEN and USGENE enhanced with increased  
limits for exact sequence match searches and  
introduction of free HIT display format  
NEWS 14 MAY 15 INPADOCDB and INPAFAMDB enhanced with Chinese legal  
status data  
NEWS 15 MAY 28 CAS databases on STN enhanced with NANO super role in  
records back to 1992  
NEWS 16 JUN 01 CAS REGISTRY Source of Registration (SR) searching  
enhanced on STN  
NEWS 17 JUN 26 NUTRACEUT and PHARMAML no longer updated  
NEWS 18 JUN 29 IMSCOPROFILE now reloaded monthly  
NEWS 19 JUN 29 EPFULL adds Simultaneous Left and Right Truncation  
(SLART) to AB, MCLM, and TI fields  
NEWS 20 JUL 09 PATDPAFULL adds Simultaneous Left and Right

Truncation (SLART) to AB, CLM, MCLM, and TI fields  
 NEWS 21 JUL 14 USGENE enhances coverage of patent sequence location (PSL) data  
 NEWS 22 JUL 14 CA/CAplus to be enhanced with new citing references features  
 NEWS 23 JUL 16 GBFULL adds patent backfile data to 1855  
 NEWS 24 JUL 21 USGENE adds bibliographic and sequence information

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,  
 AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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FULL ESTIMATED COST		0.22	0.22

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 DICTIONARY FILE UPDATES: 21 JUL 2009 HIGHEST RN 1166462-88-9

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> S VPR[VISTA]/SQSFP  
L1 2865939 VPR[VISTA]/SQSFP

COST IN U.S. DOLLARS	ENTRY	SINCE FILE	SESSION	TOTAL
FULL ESTIMATED COST		33.67		33.89

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for specific information.

=> HELP CROSSOVER  
GENERAL HELP FOR 'CROSSOVER' IS NOT AVAILABLE  
CAPLUS  
MEDLINE

BIOSIS  
EMBASE  
SCISEARCH  
ENTER A FILE NAME OR (END):CAPLUS

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The query is searched in CAPLUS when you search the L-number answer set created in another file, except for CASREACT, MARPAT, and Registry.

Accession numbers are crossed over when you search an L-number answer set from CASREACT, or MARPAT in CAPLUS or when you search an L-number answer set from CAPLUS in MARPAT.

You may use the CAS Registry Numbers(R) that are answers from a search in the REGISTRY File as a search term or profile in the CAPLUS File, without looking at all the answers or entering the Registry Numbers individually. To do this, enter the L-number of the REGISTRY answer set in a SEARCH command in CAPLUS. You may use this L-number in any search where you might use a Registry Number, i.e., combined with other terms using the logical operators or the (L) operator. Registry Numbers crossed over from the REGISTRY File include all deleted (DR), replacing (RR), preferred (PR) and alternate (AR) numbers.

CAS Registry Numbers appended by D or DP are automatically searched whenever CAS Registry Numbers are crossed over. The suffix D indicates a generic or unspecified derivative, and DP indicates the preparation of generic derivatives. If you do not want to search CAS Registry Numbers for nonspecific derivatives, append the crossover L-number with /RN.

Examples (where L3 is an answer set from the REGISTRY File):

Search term	Retrieves
=> S L3	All CAS Registry numbers, including those appended with D or DP
=> S L3/RN	All CAS Registry Numbers, excluding those appended with D or DP

Additionally, the REGISTRY File answer set may be qualified by a code for a CAS Role. Enter HELP ROLES at an arrow prompt (=>) in this file to obtain a list of role codes and their definitions.

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=> S L3/ANT

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You may also crossover and search a set of terms extracted from an answer set.

=> FILE CAPLUS

COST IN U.S. DOLLARS	ENTRY	SINCE FILE SESSION	TOTAL
FULL ESTIMATED COST		7.39	41.28

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FILE COVERS 1907 - 23 Jul 2009 VOL 151 ISS 4  
FILE LAST UPDATED: 22 Jul 2009 (20090722/ED)  
REVISED CLASS FIELDS (NCL) LAST RELOADED: Jun 2009  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

CAPlus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2009.

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=> FILE REGISTRY

COST IN U.S. DOLLARS	ENTRY	SINCE FILE SESSION	TOTAL
FULL ESTIMATED COST		0.50	41.78

FILE 'REGISTRY' ENTERED AT 14:52:39 ON 23 JUL 2009

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STRUCTURE FILE UPDATES: 21 JUL 2009 HIGHEST RN 1166462-88-9

DICTIONARY FILE UPDATES: 21 JUL 2009 HIGHEST RN 1166462-88-9

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

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=> S VPR[AG]/SQSFP  
L2 1723603 VPR[AG]/SQSFP

=> S VPR[AG]SQSP  
3117 VPR  
104285 AG  
152 AGS  
104430 AG  
(AG OR AGS)  
0 SQSP  
L3 0 VPR[AG]SQSP  
(VPR(W)AG(W)SQSP)

=> S VPRA/SQSP  
L4 24562 VPRA/SQSP

=> FILE CAPLUS  
COST IN U.S. DOLLARS                      SINCE FILE      TOTAL  
   ENTRY      SESSION  
FULL ESTIMATED COST                      81.47      123.25

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FILE COVERS 1907 - 23 Jul 2009 VOL 151 ISS 4  
FILE LAST UPDATED: 22 Jul 2009 (20090722/ED)

REVISED CLASS FIELDS (NCL) LAST RELOADED: Jun 2009  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

CPlus now includes complete International Patent Classification (IPC)  
reclassification data for the second quarter of 2009.

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information. This enhancement may impact record import into  
database management software. For additional information, refer  
to NEWS 22.

=> S L4 AND THROMBIN

4990 L4

40687 THROMBIN

208 THROMBINS

40694 THROMBIN

(THROMBIN OR THROMBINS)

L5 20 L4 AND THROMBIN

=> S L5 AND CLEAV?

294471 CLEAV?

L6 3 L5 AND CLEAV?

=> D L6 1-3 CBIB

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN  
2007:871115 Document No. 147:243124 Human coagulation factor VIIa fusion  
with human serum albumin for extended half-life. Weimer, Thomas; Schulte,  
Stefan; Kronthaler, Ulrich; Lang, Wiegand; Liebing, Uwe (Csl Behring GmbH,  
Germany). Eur. Pat. Appl. EP 1816201 A1 20070808, 40pp. DESIGNATED  
STATES: R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,  
IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA,  
HR, MK, YU. (English). CODEN: EPXXDW. APPLICATION: EP 2006-2359  
20060206.

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN  
2005:735080 Document No. 143:206400 Cloning and sequences of genetically  
engineered proteases that cleave target molecules for diagnosis



or treatment of human diseases. Haupts, Ulrich; Koltermann, Andre;  
Scheidig, Andreas; Votsmeier, Christian; Kettling, Ulrich; Coco, Wayne  
Michael (Germany). U.S. Pat. Appl. Publ. US 20050175581 A1 20050811, 217  
pp., Cont.-in-part of U.S. Ser. No. 872,198. (English). CODEN: USXXCO.  
APPLICATION: US 2004-21951 20041222. PRIORITY: EP 2003-13819 20030618;

EP

2003-25851 20031110; EP 2003-25871 20031111; US 2003-524960P 20031125; US  
2004-543518P 20040211; EP 2004-3058 20040211; US 2004-872198 20040618.

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN  
2004:19771 Document No. 140:1052800 Thrombin-cleavable  
factor X analogs, and use for procoagulants. Louvain, Virginie;  
Bianchini, Elsa; Marque, Pierre Emmanuel; Calmel, Tareau Claire; Aiach,  
Martine; Le Bonniec, Bernard (Institut National de la Sante et de la  
Recherche Medicale INSERM, Fr.). Fr. Demande FR 2841904 A1 20040109, 63  
pp. (French). CODEN: FRXXBL. APPLICATION: FR 2002-8299 20020703.

=> FILE CAPLUS MEDLINE BIOSIS

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

10.23 133.48

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=> S L4 AND THROMBIN

L7 21 L4 AND THROMBIN

=> D L7 1-21 CBIB

L7 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN  
2009:506319 Document No. 150:532547 Gene expression profile in human liver  
cells treated by benzo[k]fluoranthene and the use of the genes as  
biomarkers for monitoring benzo[k]fluoranthene in environment and food.  
Ryu, Jae Cheon; Song, Mi Gyeong; Jeon, Hui Gyeong; Kim, Yeon Jeong (Korea  
Institute of Science and Technology, S. Korea). Repub. Korean Kongkae  
Taeo Kongbo KR 2009039354 A 20090422, 117pp. (Korean). CODEN: KRXXA7.  
APPLICATION: KR 2007-104948 20071018.

L7 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN  
2008:1279840 Document No. 149:467273 G protein-coupled receptors in human and mouse, their tissue expression, and their uses in diagnostics and therapeutics, modulator screening, and animal disease models. Gaitanaris, George A.; Bergmann, John E.; Gragerov, Alexander; Hohmann, John; Li, Fusheng; Madisen, Linda; McIlwain, Kellie L.; Pavlova, Maria N.; Vassiliadis, Demetri; Zeng, Hongkui (Omeros Corporation, USA). U.S. Pat. Appl. Publ. US 20080260744 A1 20081023, 225pp., Cont.-in-part of U.S. Ser. No. 527,265. (English). CODEN: USXXCO. APPLICATION: US 2007-940917 20071115. PRIORITY: US 2002-409303P 20020909; US 2003-461329P 20030409; WO 2003-US28226 20030909; US 2006-527265 20060126; US 2006-859469P 20061115; US 2006-859473P 20061115; US 2006-859470P 20061115.

L7 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN  
2007:871115 Document No. 147:243124 Human coagulation factor VIIa fusion with human serum albumin for extended half-life. Weimer, Thomas; Schulte, Stefan; Kronthaler, Ulrich; Lang, Wiegand; Liebing, Uwe (Csl Behring GmbH, Germany). Eur. Pat. Appl. EP 1816201 A1 20070808, 40pp. DESIGNATED STATES: R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU. (English). CODEN: EPXXDW. APPLICATION: EP 2006-2359 20060206.

L7 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN  
2007:482933 Document No. 146:498810 Cancer serum markers identified for use in hybridization- and amplification-based diagnosis of early stage human breast cancer. Krause, Alexander; Leissner, Philippe; Paye, Malick; Mougin, Bruno; Schweighoffer, Fabien; Bracco, Laurent (Biomerieux S. A., Fr.; Exonhit Therapeutics S. A.). PCT Int. Appl. WO 2007048978 A2 20070503, 175pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IS, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (French). CODEN: PIXXD2. APPLICATION: WO 2006-FR51108 20061026. PRIORITY: FR 2005-11080 20051028; FR 2006-2824 20060331.

L7 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN  
2006:1012780 Document No. 145:349629 Glomerular and podocyte-specific expression profiling in mouse kidney and construction of the GlomChip

microarray. Betsholtz, Christer; Tryggvason, Karl; Takemoto, Minoru; He, Liqun; Patrakkas, Jaakko (Swed.). PCT Int. Appl. WO 2006100066 A1 20060928, 802pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ,

BA,

BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IS, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR.

(English). CODEN: PIXXD2. APPLICATION: WO 2006-EP2646 20060322. PRIORITY: US 2005-90997 20050325.

L7 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN

2006:634756 Document No. 145:98572 Engineering proteases with user-defined specificities by peptide insertions at specific specificity-determining sites and targeted use of the engineered proteases. Haupts, Ulrich; Koltermann, Andre; Scheidig, Andreas; Kettling, Ulrich; Coco, Wayne Michael (Direvo Biotech A.-G., Germany; Voetsmeier, Christian). PCT Int. Appl. WO 2006067198 A2 20060629, 156 pp. DESIGNATED STATES: W: AE,

AG,

AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,

PL,

PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IS, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2005-EP57061 20051221. PRIORITY: EP 2004-106903 20041222.

L7 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN

2006:253266 Document No. 145:390164 Molecular cloning and prokaryotic expression of macrophage migration inhibitory factor gene. Shan, Zhixin; Yu, Xiyong; Lin, QiuXiong; Yang, Min; Fu, Yongheng; Tan, Honghong; Zheng, Meng; Lin, Shuguang (Research Center of Medical Sciences, Guangdong Provincial People's Hospital, Guangzhou, Guangdong Province, 510080, Peop. Rep. China). Zhongguo Bingli Shengli Zazhi, 21(4), 815-816,819 (Chinese) 2005. CODEN: ZBSZEB. ISSN: 1000-4718. Publisher: Jinan Daxue.

L7 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN

2005:735080 Document No. 143:206400 Cloning and sequences of genetically engineered proteases that cleave target molecules for diagnosis or treatment of human diseases. Haupts, Ulrich; Koltermann, Andre; Scheidig,

Andreas; Votsmeier, Christian; Kettling, Ulrich; Coco, Wayne Michael (Germany). U.S. Pat. Appl. Publ. US 20050175581 A1 20050811, 217 pp., Cont.-in-part of U.S. Ser. No. 872,198. (English). CODEN: USXXCO. APPLICATION: US 2004-21951 20041222. PRIORITY: EP 2003-13819 20030618;

EP

2003-25851 20031110; EP 2003-25871 20031111; US 2003-524960P 20031125; US 2004-543518P 20040211; EP 2004-3058 20040211; US 2004-872198 20040618.

L7 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN  
2005:156228 Correction of: 2005:16967 Document No. 142:192331 Correction of: 142:108390 Quantitative RT-PCR method for the detection in blood of microarray-identified rheumatoid arthritis-related gene transcripts for diagnosing and monitoring disease state. Liew, Choong-Chin (Chondrogene Limited, Can.). U.S. Pat. Appl. Publ. US 20050003394 A1 20050106, 81 pp., Cont.-in-part of U.S. Ser. No. 802,875. (English). CODEN: USXXCO. APPLICATION: US 2004-812782 20040330. PRIORITY: US 1999-115125P 19990106; US 2000-477148 20000104; US 2002-268730 20021009; US 2003-601518 20030620; US 2004-802875 20040312.

L7 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN  
2005:16967 Document No. 142:108390 Quantitative RT-PCR method for the detection in blood of microarray-identified rheumatoid arthritis-related gene transcripts for diagnosing and monitoring disease state. Liew, Choong-Chin (Chondrogene Limited, Can.). U.S. Pat. Appl. Publ. US 20050003394 A1 20050106, 81 pp., Cont.-in-part of U.S. Ser. No. 802,875. (English). CODEN: USXXCO. APPLICATION: US 2004-812782 20040330. PRIORITY: US 1999-115125P 19990106; US 2000-477148 20000104; US 2002-268730 20021009; US 2003-601518 20030620; US 2004-802875 20040312.

L7 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN  
2004:612479 Document No. 141:138524 Gene expression profiles and microarrays for colon cancer and their use for cancer diagnosis and therapeutics. Eveleigh, Deepa; Bigwood, Douglas; Taylor, Ian (Bayer Pharmaceuticals Corporation, USA). U.S. Pat. Appl. Publ. US 20040146921 A1 20040729, 23 pp. (English). CODEN: USXXCO. APPLICATION: US 2004-764425 20040123. PRIORITY: US 2003-442582P 20030124.

L7 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN  
2004:449883 Document No. 140:402911 Binary prediction tree modeling with many predictors and its uses in clinical and genomic applications. Nevins, Joseph R.; West, Mike; Huang, Andrew T. (Duke University, USA). PCT Int. Appl. WO 2004038376 A2 20040506, 886 pp. DESIGNATED STATES:

W:

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU,

ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2003-XA33946 20031024. PRIORITY: US 2002-420729P 20021024; US 2002-421062P 20021025; US 2002-421102P 20021025; US 2002-424715P 20021108; US 2002-424718P 20021108; US 2002-424701P 20021108; US 2002-425256P 20021112; US 2003-448462P 20030221; US 2003-448461P 20030221; US 2003-457877P 20030327; US 2003-458373P 20030331.

L7 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN  
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